

WHAT IS CLAIMED IS:

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1. A wireless communication system having a wireless controller for controlling a wireless communication unit, comprising:

5 determination means for determining a situation within a wireless cell controlled by said wireless controller;

memory means for storing a threshold for changing a charge rate for communication within said wireless cell, the threshold having a hysteresis characteristic; and

10 decision means for deciding the charge rate for communication within said wireless cell, based on the situation determined by said determination means and the threshold having the hysteresis characteristic

15 stored in said memory means.

2. The wireless communication system according to claim 1, wherein said determination means determines

20 the remaining amount of wireless resources within said wireless cell.

3. The wireless communication system according to claim 1, wherein said determination means determines

25 the traffic volume within said wireless cell.

4. The wireless communication system according

to claim 1, further comprising transmission means for
transmitting the charge rate decided by said decision
means using an informing signal which said wireless
controller transmits regularly to said wireless
5 communication unit.

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5. The wireless communication system according
to claim 1, further comprising transmission means for
transmitting the charge rate decided by said decision
10 means using a communication information signal
transmitted from said wireless controller to said
wireless communication unit while said wireless
communication unit is communicating via said wireless
controller.

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6. The wireless communication system according
to claim 5, wherein said transmission means transmits
said charge rate added to an accompanying control
information which is included within said communication
20 information signal.

7. The wireless communication system according
to claim 1, wherein said decision means has a
management unit for managing a plurality of wireless
25 controllers.

8. A wireless communication system having a

wireless controller for controlling a wireless communication unit, comprising:

determination means for determining a situation within a wireless cell controlled by said wireless controller;

memory means for storing a threshold for changing a charge rate for communication within said wireless cell; and

transmission means for transmitting the charge rate based on the situation determined by said determination means and the threshold stored in said memory means using an informing signal which said wireless controller transmits regularly to said wireless communication unit.

9. A wireless communication system having a wireless controller for controlling a wireless communication unit, comprising:

determination means for determining a situation within a wireless cell controlled by said wireless controller;

memory means for storing a threshold for changing a charge rate for communication within said wireless cell; and

transmission means for transmitting the charge rate based on the situation determined by said determination means and the threshold stored in said

memory means using a communication information signal transmitted from said wireless controller to said wireless communication unit, while said wireless communication unit is communicating via said wireless controller.

10. The wireless communication system according to claim 9, wherein said transmission means transmits said charge rate added to an accompanying control information which is included within said communication information signal.

11. A wireless communication system having a plurality of wireless controllers for controlling wireless communication units, comprising:

identification means for identifying a charge rate for communication within each wireless cell controlled by the plurality of wireless controllers;

decision means for deciding a wireless controller to be connected to said wireless communication unit based on the charge rate notified by said wireless communication unit and the charge rate identified by said identification means; and

control means for controlling to connect the wireless controller decided by said decision means and said wireless communication unit.

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12. The wireless communication system according to claim 11, wherein said decision means can decide one or more wire controllers to be connected to said wireless communication unit.

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13. The wireless communication system according to claim 11, wherein said identification means identifies the charge rate based on a situation within said wireless cell.

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14. A wireless communication unit for making communication in accordance with a charge rate notified by a wireless controller, comprising:

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memory means for storing the charge rate at which the communication is permitted;

reception means for receiving from said wireless controller information regarding the charge rate for communication within a wireless cell controlled by said wireless controller; and

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display means for providing display based on the charge rate stored in said memory means and the charge rate received by said reception means.

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15. The wireless communication unit according to claim 14, wherein said display means provides said display when the charge rate received by said reception means exceeds the charge rate stored in said memory means.

16. The wireless communication unit according to claim 15, wherein said display means displays an indication that the charge rate received by said reception means exceeds the charge rate stored in said memory means, and the information regarding the charge rate received by said reception means.

17. The wireless communication unit according to claim 14, wherein the communication of said wireless communication unit is inhibited when the charge rate received by said reception means exceeds the charge rate stored in said memory means.

18. The wireless communication unit according to claim 17, wherein the communication is compulsorily enabled by performing a predetermined operation of said wireless communication unit even when said communication is inhibited.

19. The wireless communication unit according to claim 14, wherein said reception means receives the charge rate using an informing signal which said wireless controller transmits regularly to said wireless communication unit.

20. The wireless communication unit according to claim 14, wherein said reception means receives the

charge rate using a communication information signal transmitted from said wireless controller to said wireless communication unit while said wireless communication unit is communicating via said wireless controller.

21. The wireless communication unit according to claim 20, wherein said reception means receives said charge rate added to an accompanying control information included in said communication information signal.

22. The wireless communication unit according to claim 14, wherein the charge rate received by said reception means is based on a situation within the wireless cell controlled by said wireless controller.

23. A method for controlling a wireless communication system having a wireless controller for controlling a wireless communication unit, comprising:

a determination step of determining a situation within a wireless cell controlled by said wireless controller;

a storage step of storing a threshold for changing a charge rate for communication within said wireless cell, the threshold having a hysteresis characteristic; and

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5 a decision step of deciding the charge rate for communication within said wireless cell, based on the situation determined in said determination step and the threshold having the hysteresis characteristic stored in said storage step.

24. A method for controlling a wireless communication system having a wireless controller for controlling a wireless communication unit, comprising:

10 a determination step of determining a situation within a wireless cell controlled by said wireless controller;

a storage step of storing a threshold for changing a charge rate for communication within said wireless cell; and

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a transmission step of transmitting the charge rate based on the situation determined in said determination step and the threshold stored in said storage step using an informing signal which said wireless controller transmits regularly to said wireless communication unit.

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25. A method for controlling a wireless communication system having a wireless controller for controlling a wireless communication unit, comprising:

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a determination step of determining a situation within a wireless cell controlled by said wireless

controller;

a storage step of storing a threshold for changing a charge rate for communication within said wireless cell; and

5 a transmission step of transmitting the charge rate based on the situation determined in said determination step and the threshold stored in said storage step using a communication information signal transmitted from said wireless controller to said
10 wireless communication unit while said wireless communication unit is communicating via said wireless controller.

26. A method for controlling a wireless
15 communication system having a plurality of wireless controllers for controlling the wireless communication units, comprising:

a identification step of identifying the charge rate for communication within each wireless cell
20 controlled by the plurality of wireless controllers;

a decision step of deciding a wireless controller to be connected to said wireless communication unit based on the charge rate notified by said wireless communication unit and the charge rate identified in
25 said identification step; and

a control step of controlling to connect the wireless controller decided in said decision step and

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said wireless communication unit.

27. A method for controlling a wireless communication unit for making communication in accordance with a charge rate notified by a wireless controller, comprising:

a storage step of storing a charge rate at which the communication is permitted;

a reception step of receiving from said wireless controller information regarding the charge rate for communication within a wireless cell controlled by said wireless controller; and

a display step of providing display based on the charge rate stored in said storage step and the charge rate received in said reception step.